

What is claimed is:

1. A speed cooking oven for cooking a food product by hot gas, comprising:
  - (a) a housing defining a cooking chamber having a top, bottom, right side wall, left side wall and back wall;
  - (b) (b) a conduit means associated with the cooking chamber, said conduit means providing for the circulation of the gas to and from the cooking chamber;
  - (c) a flow means for causing circulation of the gas;
  - (d) a thermal means for heating the gas;
  - (e) a control means for controlling the gas flow;
  - (f) a first gas directing means associated with the conduit means and disposed above the food product; and
  - (g) a second gas directing means associated with the conduit means disposed above the food product, wherein the first and second gas directing means are configured to cause the gas from the first gas directing means to collide with the gas from the second gas directing means upon the upper surface of the food product.
2. The oven of claim 1 wherein the gas exits the cooking chamber via the top wall.
3. The oven of claim 2 further comprising a catalyst.
4. The oven of claim 3 further comprising an electromagnetic source.
5. The oven of claim 1 wherein the flow means is a blower motor.
6. The oven of claim 1 wherein the thermal means is a sheathed heater.
7. The oven of claim 1 wherein the thermal means is a gas heater.
8. The oven of claim 7 wherein the gas heater is powered by propane.
9. The oven of claim 7 wherein the gas heater is powered by natural gas.
10. The oven of claim 1 wherein the first gas directing means and the second gas directing means are located within the top wall.
11. The oven of claim 1 wherein the first gas directing means is and the second gas directing means are located within the right side and the left side walls.
12. The oven of claim 1 wherein the first gas directing means and the second gas directing means are located at the intersection of the side walls and the top wall.
13. The oven of claim 1 wherein the first gas directing means and the second gas directing means are located within the back wall.
14. The oven of claim 4 wherein the electromagnetic source is at least one magnetron.
15. The oven of claim 5 further comprising a variable speed blower motor.
16. The oven of claim 1 wherein the control means is a toggle switch.
17. The oven of claim 4 wherein the control means is comprised of toggle switches to control the electromagnetic source and the flow means.
18. The oven of claim 1 wherein the control means is a rotary switch.
19. The oven of claim 4 wherein the control means is two rotary switches to control the electromagnetic source and the flow means.
20. The oven of claim 1 wherein the control means is a control panel operatively connected to said recycling oven, said control panel adapted to control the operation of the thermal means and the flow means.
21. The oven of claim 4 wherein the control means is a control panel operatively connected to said recycling oven, said control panel adapted to control the operation of the thermal means, the flow means and the electromagnetic means.

22. A speed cooking oven for cooking a food product by hot gas, comprising:
  - (a) a housing defining a cooking chamber having a top wall, bottom wall, right side wall, left side wall and back wall;
  - (b) (b) a conduit means associated with the cooking chamber, said conduit means providing for the circulation of the gas to and from the cooking chamber;
  - (c) (c) flow means for causing circulation of the gas;
  - (d) (d) thermal means for heating the gas;
  - (e) (e) control means for controlling the gas;
  - (f) (f) a third gas directing means associated with the conduit means and disposed below the food product;
  - (g) (g) a fourth gas directing means associated with the conduit means disposed below the food product, wherein the third and fourth gas directing means are configured to cause the gas from the third gas directing means to collide with the gas from the fourth gas directing means upon the bottom surface of the food product.
23. The oven of claim 19 wherein the gas flow exits the cooking chamber via the top wall.
24. The oven of claim 20 further comprising a catalyst.
25. The oven of claim 21 further comprising an electromagnetic source.
26. The oven of claim 19 wherein the flow means is a blower motor.
27. The oven of claim 19 wherein the thermal means is a sheathed heater.
28. The oven of claim 19 wherein the thermal means is a gas heater.
29. The oven of claim 25 wherein the gas heater is powered by propane.
30. The oven of claim 25 wherein the gas heater is powered by natural gas.
31. The oven of claim 19 wherein the first gas directing means and the second gas directing means are located within the top wall.
32. The oven of claim 19 wherein the first gas directing means and the second gas directing means are located within the right side and the left side walls.
33. The oven of claim 19 wherein the first gas directing means and the second gas directing means are located at the intersection of the side walls and the bottom wall.
34. The oven of claim 19 wherein the first gas directing means and the second gas directing means are located within the back wall.
35. The oven of claim 22 wherein the electromagnetic source is at least one magnetron.
36. The oven of claim 23 wherein the blower motor is further comprised with variable control.
37. The oven of claim 19 wherein the control means is toggle switches.
38. The oven of claim 19 wherein the control means is a control panel operatively connected to said recycling oven, said control panel adapted to control the operation of the thermal means and the flow means.
39. The oven of claim 22 wherein the control means is a control panel operatively connected to said recycling oven, said control panel adapted to control the operation of the thermal means, the flow means and the electromagnetic means.
40. A speed cooking oven for cooking a food product by hot gas, comprising:
  - (a) a housing defining a cooking chamber having a top wall, bottom wall, right side wall, left side wall and back wall.

- (b) a conduit means associated with the cooking chamber, said conduit means providing for the circulation of the gas to and from the cooking chamber;
  - (c) a flow means for causing circulation of the gas;
  - (d) a thermal means for heating the gas;
  - (e) a control means for controlling the gas;
  - (f) a first gas directing means associated with the conduit means and disposed above the food product;
  - (g) a second gas directing means associated with the conduit means disposed above the food product, wherein the first and second gas directing means are configured to cause the gas from the first gas directing means to collide with the gas from the second gas directing means upon the surface of the food product;
  - (h) a third gas directing means associated with the conduit means and disposed below the food product;
  - (i) a fourth gas directing means associated with the conduit means disposed below the food product, wherein the third and fourth gas directing means are configured to cause the gas from the third gas directing means to collide with the gas from the fourth gas directing means upon the bottom surface of the food product.
41. The oven of claim 37 wherein the gas exits the cooking chamber via the top wall.
  42. The oven of claim 37 further comprising a damper means for adjusting the amount of said gas delivered via said conduit means to said third and fourth gas directing means.
  43. The oven of claim 38 further comprising a catalyst.
  44. The oven of claim 39 further comprising an electromagnetic source.
  45. The oven of claim 37 wherein the flow means is a blower motor.
  46. The oven of claim 37 wherein the thermal means is a sheathed heater.
  47. The oven of claim 37 wherein the thermal means is a gas heater.
  48. The oven of claim 43 wherein the gas heater is powered by propane.
  49. The oven of claim 43 wherein the gas heater is powered by natural gas.
  50. The oven of claim 37 wherein the first gas directing means and the second gas directing means are located within the top wall.
  51. The oven of claim 37 wherein the first gas directing means and the second gas directing means are located within the right side and the left side walls.
  52. The oven of claim 37 wherein the first gas directing means and the second gas directing means are located at the intersection of the side walls and the top wall.
  53. The oven of claim 37 wherein the first gas directing means and the second gas directing means are located within the back wall.
  54. The oven of claim 37 wherein the third gas directing means and the fourth gas directing means are located within the bottom wall.
  55. The oven of claim 37 wherein the third gas directing means and the fourth gas directing means are located within the right side and the left side walls.
  56. The oven of claim 37 wherein the third gas directing means and the fourth gas directing means are located at the intersection of the side walls and the bottom wall.
  57. The oven of claim 37 wherein the third gas directing means and the fourth gas directing means are located within the back wall.
  58. The oven of claim 40 wherein the electromagnetic source is at least one magnetron.
  59. The oven of claim 41 wherein the blower motor is further comprised with variable control.

60. The oven of claim 37 wherein the control means is toggle switches.
61. The oven of claim 37 wherein the control means is a control panel operatively connected to said recycling oven, said control panel adapted to control the operation of the thermal means and the flow means.
62. The oven of claim 39 wherein the control means is a control panel operatively connected to said recycling oven, said control panel adapted to control the operation of the thermal means, the flow means and the damper means.
63. The oven of claim 41 wherein the control means is a control panel operatively connected to said recycling oven, said control panel adapted to control the operation of the thermal means, the flow means, the electromagnetic means and the damper means.
64. An oven for cooking a food product by hot gas, comprising:
  - (a) a housing defining a cooking chamber having a top wall, bottom wall, right side wall, left side wall and back wall;
  - (b) a conduit means associated with the cooking chamber, said conduit means providing for the circulation of the gas to and from the cooking chamber;
  - (c) flow means for causing circulation of the gas;
  - (d) thermal means for heating the gas;
  - (e) control means for controlling the gas;
  - (f) a first gas directing means associated with the conduit means and disposed above the food product; and
  - (g) a second gas directing means associated with the conduit means disposed above the food product, wherein the first and second gas directing means are configured to cause the gas from the first gas directing means to collide with the gas from the second gas directing means upon the upper surface of the food product.
65. The oven of claim 59 wherein the gas flow exits the cooking chamber via the top wall.
66. The oven of claim 60 further comprising a catalyst.
67. The oven of claim 61 further comprising an electromagnetic source.
68. The oven of claim 59 wherein the flow means is a blower motor.
69. The oven of claim 59 wherein the thermal means is a sheathed heater.
70. The oven of claim 59 wherein the thermal means is a gas heater.
71. The oven of claim 65 wherein the gas heater is powered by propane.
72. The oven of claim 65 wherein the gas heater is powered by natural gas.
73. The oven of claim 59 wherein the first gas directing means and the second gas directing means are located within the top wall.
74. The oven of claim 59 wherein the first gas directing means and the second gas directing means are located within the right side and the left side walls.
75. The oven of claim 59 wherein the first gas directing means and the second gas directing means are located at the intersection of the side walls and the top wall.
76. The oven of claim 59 wherein the first gas directing means and the second gas directing means are located within the back wall.
77. The oven of claim 62 wherein the electromagnetic source is at least one magnetron.
78. The oven of claim 63 wherein the blower motor is further comprised with variable control.
79. The oven of claim 59 wherein the control means is toggle switches.

80. The oven of claim 59 wherein the control means is a control panel operatively connected to said recycling oven, said control panel adapted to control the operation of the thermal means and the flow means.

81. The oven of claim 62 wherein the control means is a control panel operatively connected to said recycling oven, said control panel adapted to control the operation of the thermal means, the flow means and the electromagnetic means. An oven for cooking a food product by hot gas, comprising:

82. A speed cooking recycling oven for cooking a food product by gas and electromagnetic energy, comprising:

- (a) a housing defining a cooking chamber having a top wall, bottom wall, right side wall, left side wall and back wall;
  - (b) a conduit means associated with the cooking chamber, said conduit means providing for the circulation of the gas to and from the cooking chamber;
  - (c) a variable speed blower motor for causing circulation of the gas;
  - (d) sheathed heater for heating the gas;
  - (e) a control panel operatively connected to said speed cooking oven for controlling the variable speed blower motor and the electromagnetic energy;
  - (f) an egress opening in the top cooking chamber wall to allow the gas to exit the cooking chamber;
  - (g) a catalyst located within said egress opening;
  - (h) a first gas directing means associated with the conduit means and disposed above the food product;
  - (i) a second gas directing means associated with the conduit means disposed above the food product, wherein the first and second gas directing means are configured to cause the gas from the first gas directing means to collide with the gas from the second gas directing means upon the upper surface of the food product;
  - (j) a third gas directing means associated with the conduit means and disposed below the food product;
  - (k) a fourth gas directing means associated with the conduit means disposed below the food product, wherein the third and fourth gas directing means are configured to cause the gas from the third gas directing means to collide with the gas from the fourth gas directing means upon the bottom surface of the food product; and
83. The oven of claim 77 wherein the thermal means is a gas heater.
84. The oven of claim 82 wherein the gas heater is powered by propane.
85. The oven of claim 82 wherein the gas heater is powered by natural gas.
86. The oven of claim 77 wherein the first gas directing means and the second gas directing means are located within the top wall.
87. The oven of claim 77 wherein the first gas directing means and the second gas directing means are located within the right side and the left side walls.
88. The oven of claim 77 wherein the first gas directing means and the second gas directing means are located at the intersection of the side walls and the top wall.
89. The oven of claim 77 wherein the first gas directing means and the second gas directing means are located within the back wall.
90. The oven of claim 62 wherein the electromagnetic source is at least one magnetron.

91. The oven of claim 63 wherein the blower motor is further comprised with variable control.
92. The oven of claim 59 wherein the control means is toggle switches.
93. The oven of claim 59 wherein the control means is a control panel operatively connected to said recycling oven, said control panel adapted to control the operation of the thermal means and the flow means.
94. The oven of claim 62 wherein the control means is a control panel operatively connected to said recycling oven, said control panel adapted to control the operation of the thermal means, the flow means and the electromagnetic means. An oven for cooking a food product by hot gas, comprising: